

HEAVY USE AREA PROTECTION DESIGN AND CHECK DATA REQUIREMENTS

The following items must be addressed in the design folder for the Heavy Use Area Protection.

Field Data and Survey Notes

1. Plan view of heavy use area with dimensions as appropriate and applicable setback distances.
2. Profiles and cross sections showing grades for paved and unpaved surface treatment areas.
3. Soils investigation as necessary documenting soil permeability class and drainage characteristics, and depth to high water table or bedrock.

Design Data

The following is a list of the minimum required design data:

1. Document compliance with PA One Call.
2. E&S Control Plan.
3. Profiles and cross sections of the area showing grades and thicknesses of base course and surface treatment for paved surface treatment areas.
4. Design and specifications of the foundation and surface treatment, structures, fencing, clean water diversion, manure and runoff collection, and other practices, as needed.
5. Grading plan for the area.
6. Vegetation plan.
7. Quantities.
8. O&M Plan.
9. Construction quality assurance plan.

Construction Check Data

Verify and document the following where applicable:

1. Foundation preparation.
2. Placement of base course and geotextile where applicable.
3. Placement of the surface material.
4. Installation of curbs, fence, runoff collection devices and other practices.

5. Certification statement on cover sheet or plan view of as-built drawings, with signature(s).
6. Material certifications and manufacturers' data sheets.
7. Photos
8. Size of area(s) treated.

Operation & Maintenance Plan

1. Routine operational requirements
2. Timing of inspections
3. Safety precautions
4. Other special situations, practice conditions, and requirements for the individual operation